| Inde | ex of | Claim | S |
|------|-------|-------|---|
|      |       |       |   |

| Application No. | Applicant(s)  | _ |
|-----------------|---------------|---|
| 10/617,200      | HUDSON ET AL. |   |
| Examiner        | Art Unit      |   |
| Filip Zec       | 3744          |   |

| √ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

| Cla      | aim                        |                | _        |  | [  | Date   |  | _        |  |                                     |    |
|----------|----------------------------|----------------|----------|--|--|--|--|----------|--|-------------------------------------|----|
|          |                            | 4              |          |  |  |  |  |          |  |                                     |    |
| Final    | Original                   | 12/21/04       |          |  |  |  |  |          |  |                                     |    |
| Fir      | jë.                        | 2/2            |          |  |  |  |  |          |  |                                     |    |
|          | 0                          | 1,             |          |  |  |  |  |          |  |                                     |    |
| 1        | 1                          | =              |          |  |  |  |  |          |  | _                                   |    |
| 2        | 2                          | =              |          | $\vdash$   | $\vdash$   |  |  |          | _  | -                                   | 1  |
| 3        | 3                          | =              |          | $\vdash$   | $\vdash$   |  |  | -        | -  |                                     |    |
| 4        | 4                          | =              |          | $\vdash$   | $\vdash$   |  |  |          |  |                                     | ŀ  |
| 4<br>5   | 4<br>5                     | =              | -        | $\vdash$   | ⊢  | _  |  |          |  | ⊢                                   | ŀ  |
| ס        | 0                          |                | _        | _  | $\vdash$   |  |  | _        |  | <u> </u>                            | ŀ  |
| 6        | 6                          | =              |          |  | _  |  |  |          |  | <u> </u>                            | ŀ  |
| 7<br>8   | 7                          | =              | <u> </u> | <u> </u>   | <u> </u>   | _  |  | _        |  | <u> </u>                            | ľ  |
| 8        | 8                          | =              |          |  |  |  |  |          |  | <u> </u>                            |    |
| 9        | 9                          | =              |          | <u>L.</u>  | _  |  |  |          |  |                                     | ŀ  |
| 10<br>11 | 10                         | =              |          |  |  |  |  |          |  |                                     | ŀ  |
| 11       | 11                         | =              |          |  |  |  |  |          |  |                                     |    |
| 12       | 12                         | =              |          |  |  |  |  |          |  |                                     |    |
| 13       | 12<br>13<br>14<br>15<br>16 | =              |          | <del>                                     </del> | <b> </b>   | <u> </u>   |  |          |  |                                     |    |
| 14       | 14                         | =              | Т        |  | $\vdash$   |  | _  |          | <del>                                     </del> |                                     |    |
| 15       | 15                         | =              |          | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$   |          |  |                                     |    |
| 15<br>16 | 16                         | =              | $\vdash$ | $\vdash$   | <del>                                     </del> |  |  | -        | $\vdash$   |                                     |    |
| 17,      | 17                         | =              | ┢        |  | -  | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$   |                                     | ł  |
| 17,      | 17                         |                |          | $\vdash$   | _  | $\vdash$   | $\vdash$   |          | $\vdash$   |                                     | ł  |
| 18<br>19 | 18<br>19                   | =              | _        |  |  |  |  | _        | ├  |                                     | 1  |
| 19       | 19                         | =              | _        |  |  | <u> </u>   | _  | <u> </u> | <u> </u>   | <u> </u>                            | ŀ  |
| 20       | 20                         | =              | _        |  |  |  |  |          | _  | _                                   | l  |
| 21<br>22 | 21<br>22                   | =              |          |  |  |  |  | <u> </u> | L.   |                                     | l  |
| 22       | 22                         | =              | L        |  |  |  |  |          |  | _                                   | l  |
| 23       | 23                         | =              |          |  |  |  |  |          | Ĺ  |                                     | ŀ  |
| 24<br>25 | 24                         | =              |          |  |  |  |  |          |  |                                     | ]  |
| 25       | 25                         | =              |          |  |  |  |  |          | Γ  |                                     | ŀ  |
| 26<br>27 | 26                         | Ξ              | Г        |  |  |  |  |          |  |                                     | 1  |
| 27       | 27                         | =              |          |  |  |  |  |          |  | Г                                   | 1  |
| 28       | 26<br>27<br>28             | =              | _        |  |  |  |  |          | $\vdash$   |                                     | 1  |
| 29       | 29                         | =              | $\vdash$ |  |  | $\vdash$   | _  | -        | -  | -                                   | 1  |
| 30       | 30                         | -              | $\vdash$ |  | _  |  |  | $\vdash$ | $\vdash$   |                                     | l  |
|          |                            | Ε              | ⊢        | -  |  | $\vdash$   |  | $\vdash$ | -  | $\vdash$                            | ł  |
| 31       | 31                         | =              | -        |  | -  | $\vdash$   | $\vdash$   | ŀ        | $\vdash$   | -                                   | ŀ  |
| 32       | 32                         | =              |          | <b> </b> -                                       | -  | ├  | $\vdash$   | $\vdash$ | <u> </u>   | ⊢                                   | ŀ  |
| 33       | 33                         | =              | <u> </u> |  | <u> </u>   | <u> </u>   | $\vdash$   | <u> </u> | <u> </u>   | <u> </u>                            | ŀ  |
| 34       | 34                         | =              | _        | L.,  |  | <u> </u>   | _  | _        | _  | <u> </u>                            | ŀ  |
| 35       | 35                         | =              | L        |  | ļ  | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$  |          | _  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | ľ  |
| 36       | 36                         | =              |          | <u> </u>   |  |  | $ldsymbol{ld}}}}}}$ | <u> </u> |  | L_                                  | ľ  |
| 37       | 37                         | =              | L        |  |  |  |  | L        |  |                                     | ŀ  |
| 38       | 38                         | =              |          |  |  |  |  |          |  |                                     | ]: |
| 39       | 39                         | =              |          |  | Г  |  |  |          |  | T                                   | 1  |
| 40       | 40                         | =              | Г        |  | Г  |  | Г  | l        |  |                                     | 1  |
| 41       | 41                         | ╘              | $\vdash$ |  | 1  |  |  |          |  |                                     |    |
| 42       | 42                         | Ī              |          |  | $\vdash$   |  |  | $\vdash$ |  |                                     |    |
| 43       | 43                         | ŧŢ             | $\vdash$ |  | $\vdash$   | $\vdash$   | <del>                                     </del>   |          | -  | $\vdash$                            |    |
| 44       | 44                         | <del> </del> - |          |  | ├  | $\vdash$   |  | $\vdash$ | $\vdash$   | $\vdash$                            | 1  |
|          |                            | =              | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | -        | -  |                                     |    |
| 45       | 45                         | ᆖ              |          |  |  |  | <u> </u>   | <u> </u> | _  | -                                   | l  |
| 46       | 46                         | =              | $\vdash$ | <u> </u>   | -  | $\vdash$   | _  | $\vdash$ | <u> </u>   | <b> </b>                            | l  |
|          | 47                         | _              | <u> </u> | <u> </u>   | _  | _  |  | <u> </u> |  | _                                   | ľ  |
|          | 48                         |                | <u> </u> | _  | <u></u>  | L  | L  | L_       | <u> </u>   | _                                   | ľ  |
|          | 49                         | <u> </u>       |          | <u> </u>   | _  | <u> </u>   |  |          |  |                                     | l  |
|          | 50                         |                |          | "  |  |  | -  | Ī        |  |                                     | E  |

|     | Cla   | aim                        |          |              |              |          | Date     |              |          |          |              | 1 |
|-----|-------|----------------------------|----------|--------------|--------------|----------|----------|--------------|----------|----------|--------------|---|
|     |       |                            |          |              |              |          |          |              |          |          | $\Box$       | l |
|     | Final | Original                   |          |              |              |          |          |              |          |          |              |   |
|     |       |                            |          |              |              |          |          |              |          |          |              |   |
|     |       | 51                         |          |              | -            |          |          |              |          |          | <u> </u>     | l |
|     |       | 52                         |          |              |              |          |          |              |          |          | _            | l |
|     |       | 53                         |          |              |              |          |          |              |          |          | _            | l |
|     |       | 54                         |          |              |              |          |          |              |          |          |              | l |
|     |       | 55                         |          |              |              |          |          |              |          |          |              | l |
|     |       | 56                         |          |              |              |          |          |              |          | L        |              | l |
|     |       | 57                         |          |              |              |          |          |              |          |          |              | l |
|     |       | 58                         |          |              |              |          |          |              |          |          |              | l |
|     |       | 59                         |          |              |              |          |          |              |          |          |              | l |
|     |       | 60                         |          |              |              |          |          |              |          |          |              | J |
|     |       | 61                         |          |              |              |          |          |              |          |          |              | Ì |
|     |       | 62                         |          |              |              |          |          |              |          |          |              | 1 |
|     |       | 63                         |          |              |              |          |          |              |          |          |              | 1 |
|     |       | 64                         |          |              |              |          |          |              | L        | <u> </u> | <u> </u>     | 1 |
|     |       | 65                         |          | <u> </u>     | <u> </u>     |          | <u> </u> | <u> </u>     |          |          | <u> </u>     | 1 |
|     |       | 66<br>67                   | L        |              |              |          | L.       | $oxed{oxed}$ |          |          | _            | 1 |
|     |       | 67                         |          |              | L            |          |          |              |          |          | _            | l |
|     |       | 68                         | _        | _            | <u> </u>     |          |          |              |          | _        | _            | ļ |
|     |       | 69                         |          | _            | _            |          |          |              |          | <u> </u> | <u> </u>     | ł |
|     |       | 70                         |          | _            | _            |          |          |              |          | <u> </u> | _            | l |
|     |       | 71                         |          | <u> </u>     | L            | _        |          | <u> </u>     | <u> </u> |          |              | ł |
|     |       | 71<br>72<br>73<br>74<br>75 |          | <u> </u>     | L            | _        | <u> </u> | <u> </u>     |          | _        | <u> </u>     | ł |
|     |       | 73                         |          | <u> </u>     | <u> </u>     | <u> </u> |          |              |          | _        | -            | ł |
|     |       | 74                         | _        | ┝            | <del> </del> | $\vdash$ | _        | ⊢            | _        | -        |              | ł |
|     |       | 70                         | _        | _            | -            |          |          |              | _        |          |              | ł |
|     |       | 76                         | _        | ┝            | ┝            | <u> </u> | -        | <u> </u>     |          | -        |              | l |
|     |       | 77<br>78                   | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$ | —        | $\vdash$     | -        |          | <del> </del> | ١ |
|     |       | 79                         |          | $\vdash$     | $\vdash$     | -        | -        | -            | -        | -        |              | ١ |
|     |       | 80                         | ┝╌       | -            |              |          | -        | -            | $\vdash$ | -        | $\vdash$     | l |
|     |       | 81                         |          | -            | ┢            | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ |              | ł |
|     |       | 82                         |          | <u> </u>     |              |          |          |              | $\vdash$ |          | H            | i |
|     |       | 82<br>83                   |          |              | $\vdash$     | $\vdash$ | $\vdash$ |              |          | _        | T            | 1 |
|     |       | 84                         | _        | _            | ┪            | 1        |          |              |          |          | $\vdash$     | 1 |
|     |       | 85                         | _        |              | -            | -        |          |              |          |          |              | 1 |
|     |       | 86                         |          |              | _            | <u> </u> |          |              |          |          |              | 1 |
|     |       | 87                         |          |              |              |          |          |              |          |          |              | 1 |
|     |       | 88                         |          |              |              |          |          |              |          |          |              | 1 |
|     |       | 89                         |          |              |              |          |          |              | Γ        |          |              | 1 |
|     |       | 90                         |          |              |              |          |          |              |          |          |              | 1 |
|     |       | 91                         |          |              |              |          | L        | L            |          |          |              | J |
|     |       | 92                         |          |              |              |          |          |              |          |          |              | ] |
|     |       | 93                         | <u> </u> |              |              |          | L_       |              |          |          |              | 1 |
|     |       | 92<br>93<br>94<br>95       | _        |              | <u> </u>     | <u> </u> | _        | <u> </u>     |          | <u> </u> | _            | * |
|     |       | 95                         |          | <u> </u>     | <u> </u>     | <u> </u> | <u> </u> |              | <u> </u> |          | _            | ł |
|     |       | 96<br>97                   | <u> </u> | <u> </u>     | <u> </u>     | <u> </u> | <u> </u> |              | <u> </u> | <u> </u> | _            | l |
|     |       | 97                         | <u> </u> | <u> </u>     | -            | <u> </u> | <u> </u> | <u> </u>     | _        | <u> </u> | L-           | Į |
|     |       | 98                         | <u> </u> | <del> </del> | ١            | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | <b> </b> | <u> </u>     | l |
|     |       | 98<br>99<br>100            | <u> </u> | $\vdash$     | 1-           | $\vdash$ | <u> </u> | -            | <u> </u> | ├-       | <u> </u>     | ١ |
| :-: | L     | 100                        |          |              | <u> </u>     |          |          | <u> </u>     |          |          | Ц.           | J |

| Cl    | aim        | Date     |  |          |          |          |          |              |  |          |  |
|-------|------------|----------|--|----------|----------|----------|----------|--------------|--|----------|--|
| Final | Original   |          |  |          |          |          |          |              |  |          |  |
|       | 101<br>102 |          |  |          |          |          |          |              |  |          |  |
|       | 102        |          |  |          |          |          |          |              |  |          |  |
|       | 103        |          |  |          |          |          |          |              |  |          |  |
|       | 104<br>105 |          |  |          |          |          |          |              |  |          |  |
|       | 105        |          |  |          |          |          |          |              |  |          |  |
|       | 106        |          |  |          |          |          |          |              |  |          |  |
|       | 107        |          |  |          |          |          |          |              |  |          |  |
|       | 108        |          |  |          |          |          |          |              |  |          |  |
|       | 109<br>110 | $\vdash$ |  | _        |          |          |          |              |  | $\dashv$ |  |
|       | 111        | $\vdash$ |  |          |          |          |          |              |  | $\dashv$ |  |
| -     | 112        |          | H  |          |          | H        | H        |              | H  | $\dashv$ |  |
|       | 112<br>113 |          |  |          |          |          |          |              | $\vdash$   |          |  |
|       | 114        |          |  |          |          |          |          |              |  |          |  |
|       | 114<br>115 |          |  |          |          |          |          |              |  |          |  |
|       | 116        |          |  |          |          |          |          |              |  |          |  |
|       | 117<br>118 |          |  |          |          |          |          |              |  |          |  |
|       | 118        |          |  |          |          |          |          | .            |  |          |  |
|       | 119        |          |  |          |          |          |          |              | _  |          |  |
|       | 120<br>121 |          | lacksquare                                       |          |          |          |          |              |  | $\Box$   |  |
|       | 121        |          |  |          |          |          | L.       |              |  | _        |  |
|       | 122        |          |  |          | L.       | <u> </u> | ļ        |              |  | $\Box$   |  |
|       | 123<br>124 | $\vdash$ | _  | _        |          |          |          | _            |  | $\dashv$ |  |
|       | 124        |          | _  |          | <u> </u> | -        |          |              | _  | $\dashv$ |  |
|       | 125<br>126 | $\vdash$ | $\vdash$   |          | _        |          |          |              | _  | $\dashv$ |  |
|       | 127        |          | $\vdash$   |          |          |          |          |              | _  | $\dashv$ |  |
|       | 128        |          | $\vdash$   |          |          | -        |          |              |  |          |  |
| -     | 128<br>129 |          |  | _        |          | -        |          | _            |  | $\neg$   |  |
|       | 130        | -        | _  |          |          | $\vdash$ |          |              |  | $\neg$   |  |
|       | 131        |          | <del>                                     </del> |          |          |          |          |              |  |          |  |
|       | 132        | П        |  |          |          |          |          |              |  | П        |  |
|       | 133        |          |  |          |          |          |          |              |  |          |  |
|       | 133<br>134 |          |  |          |          |          |          |              |  |          |  |
|       | 135        |          |  |          |          |          |          |              |  |          |  |
|       | 136        |          |  | L        |          |          |          |              |  | Ш        |  |
|       | 137        | _        | _  |          |          |          | _        |              |  |          |  |
|       | 138        |          | _  |          | _        |          | _        | <u> </u>     |  |          |  |
|       | 139        |          | <u> </u>   | L        | _        | <u> </u> | <u> </u> | _            |  | $\vdash$ |  |
|       | 140        |          | <u> </u>   | _        | -        |          |          | <u> </u>     |  | Н        |  |
|       | 141<br>142 |          | ├~   |          |          |          |          | <del> </del> | $\vdash$   | H        |  |
|       | 143        | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$ |  |
|       | 144        |          | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | <del> </del> | <del>                                     </del> | $\vdash$ |  |
|       | 145        | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$ |          | $\vdash$ | $\vdash$     | H  | $\vdash$ |  |
|       | 146        | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$ | $t^-$    |              | T  |          |  |
|       | 147        |          | <del>                                     </del> | T        |          |          | Ι-       | $\vdash$     | <del>                                     </del> |          |  |
|       | 148        |          | l .  |          |          |          | İ_       |              |  |          |  |
|       |            |          |  |          |          | _        | F -      |              |  |          |  |
|       | 149<br>150 |          |  | <u> </u> | L        | L_       | L        | L            | L - I  |          |  |